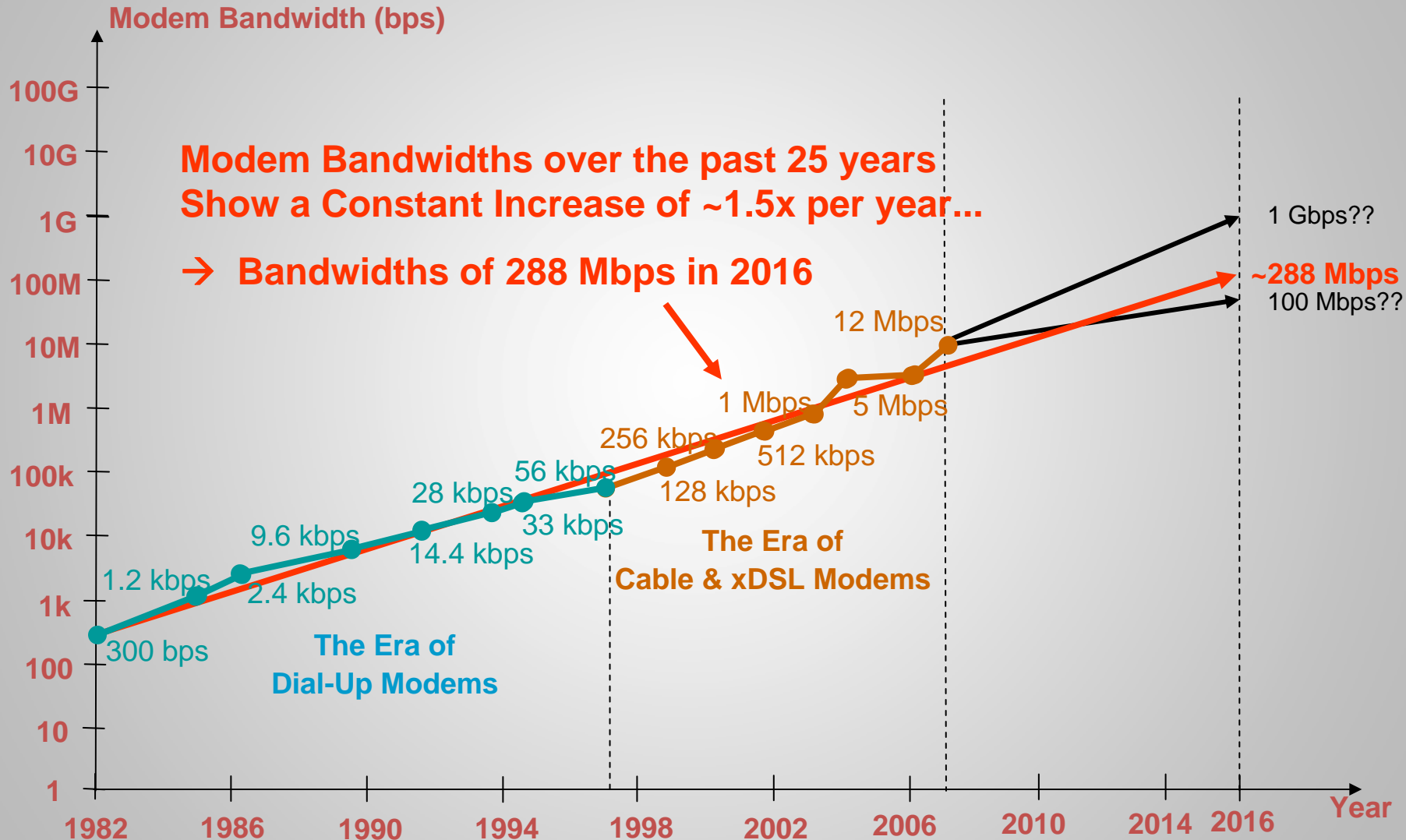




FCC Broadband Taskforce Research Recommendations Workshop

Dr. David Borth
Corporate VP
Advanced Technology and Research
Enterprise Mobility Solutions
Motorola Inc.

25 Years of Wired Bandwidth Trends

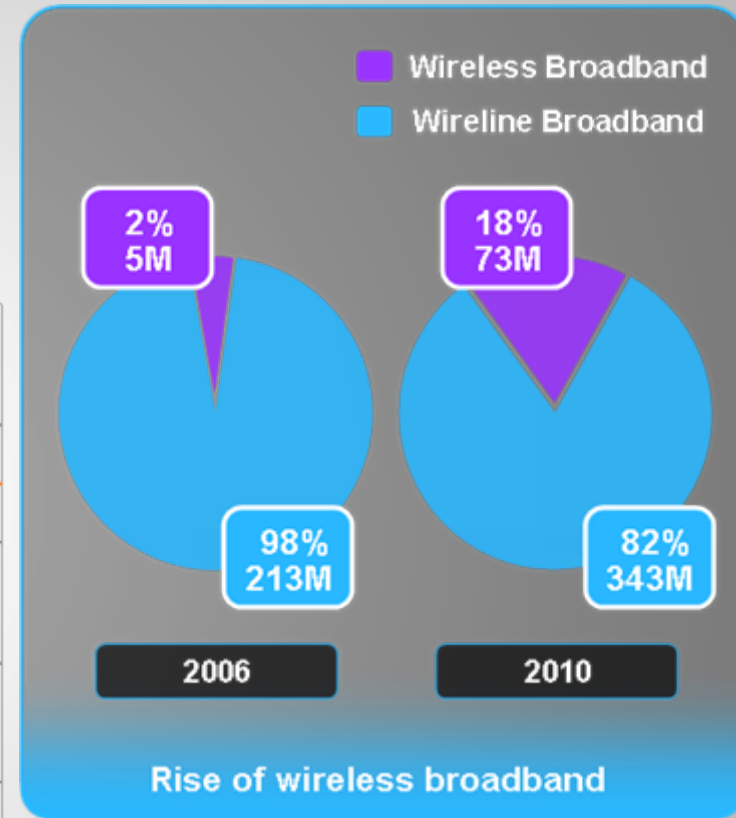
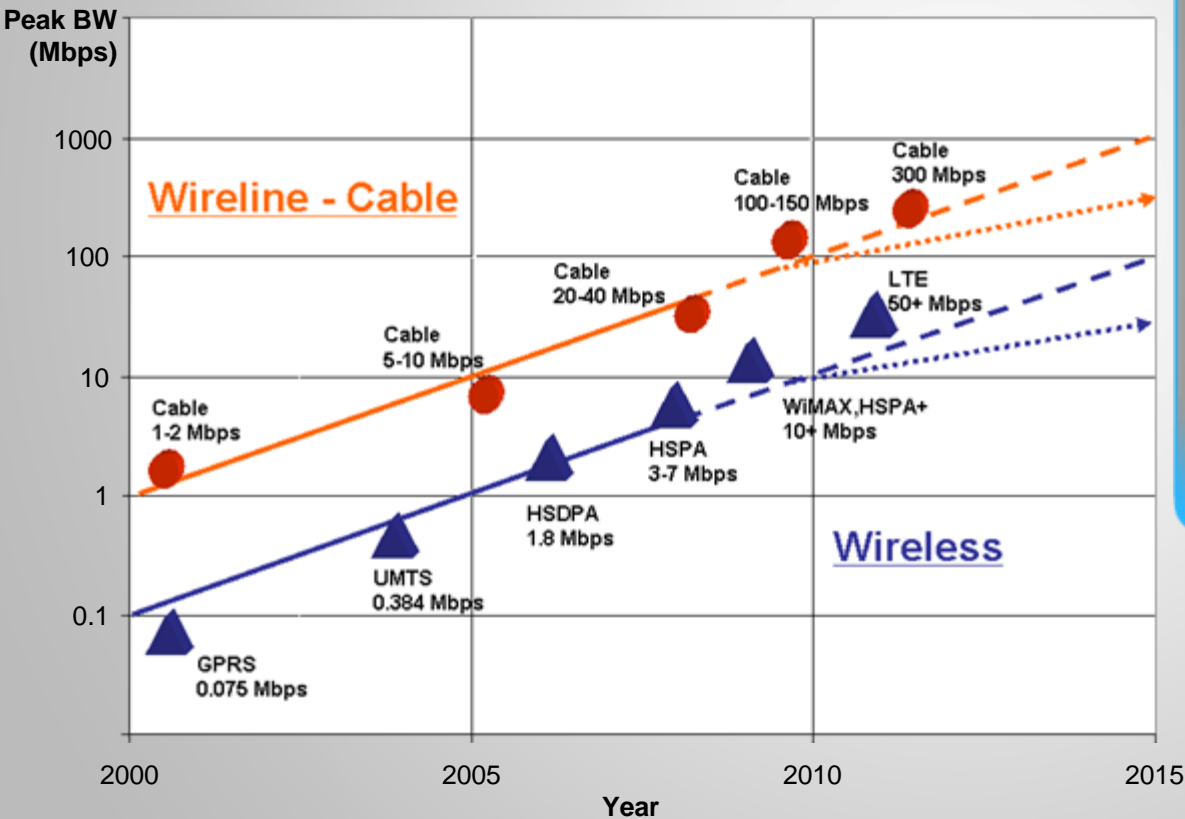


[based on data from NCTA 2007 paper by R. Cruickshank ARRIS & M. Eagles UPC]

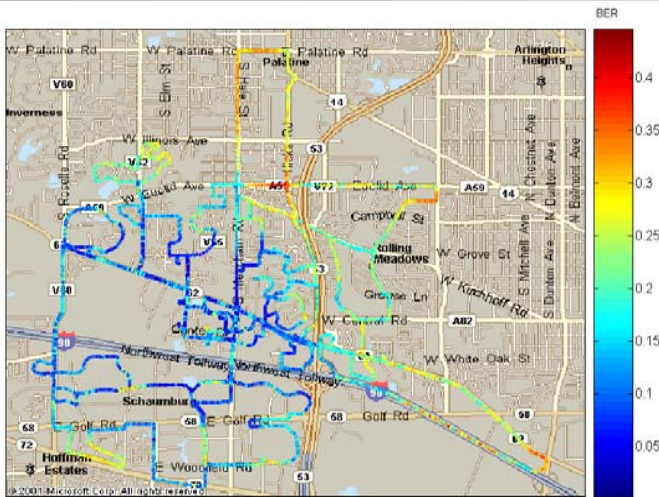
Growth of Wireless Broadband



Projections estimate mobile broadband consumption to exceed fixed broadband by 2015



Motorola 4G Wireless Journey



What is 4G?

2.5 GHz Band Studies

Motorola delivers 1st WiMAX Systems

System Field Tests

1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009

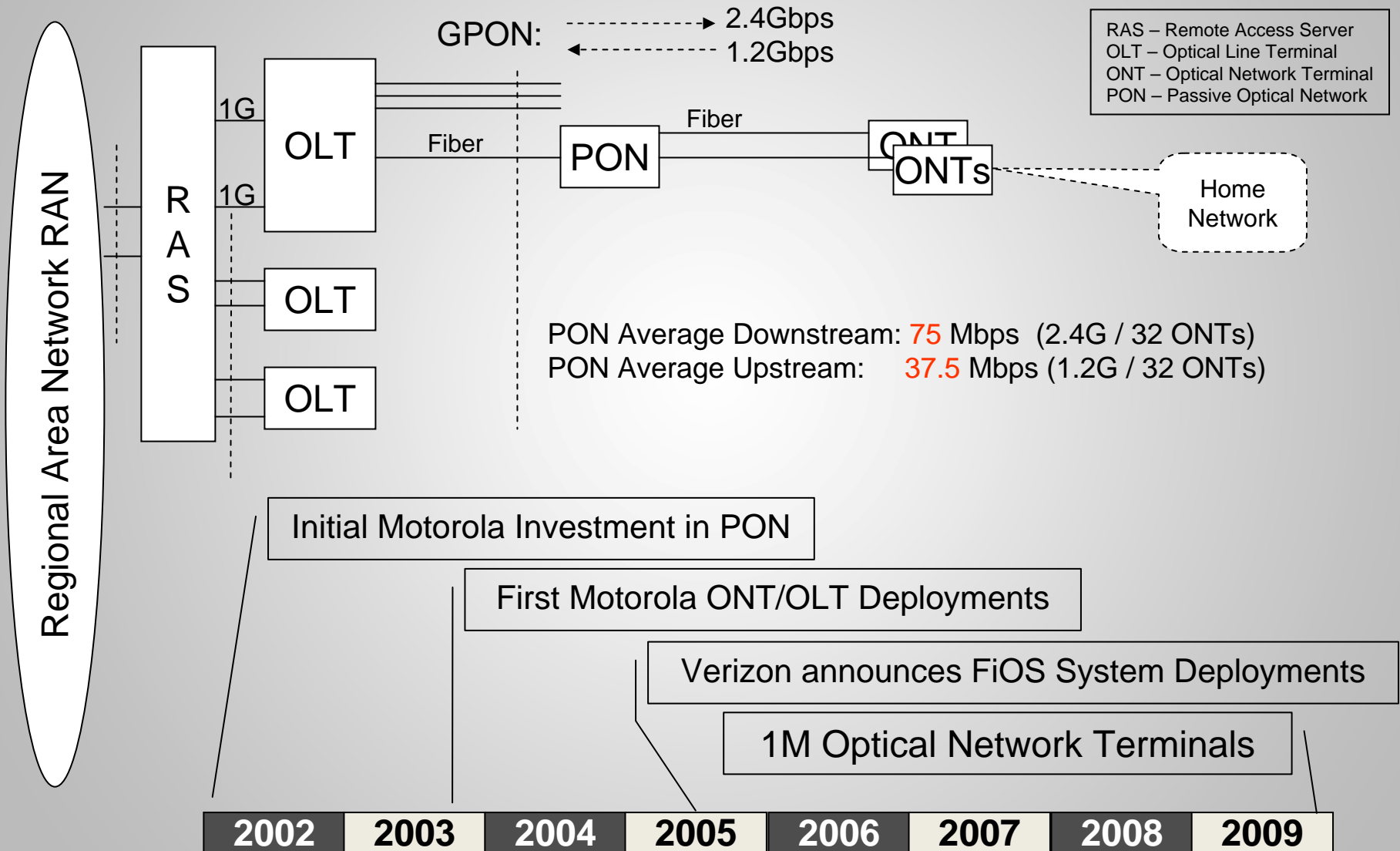
1st 4G Conference

802.16 Formed

802.16e Ratified

Motorola delivers Smart Antenna; announces LTE products

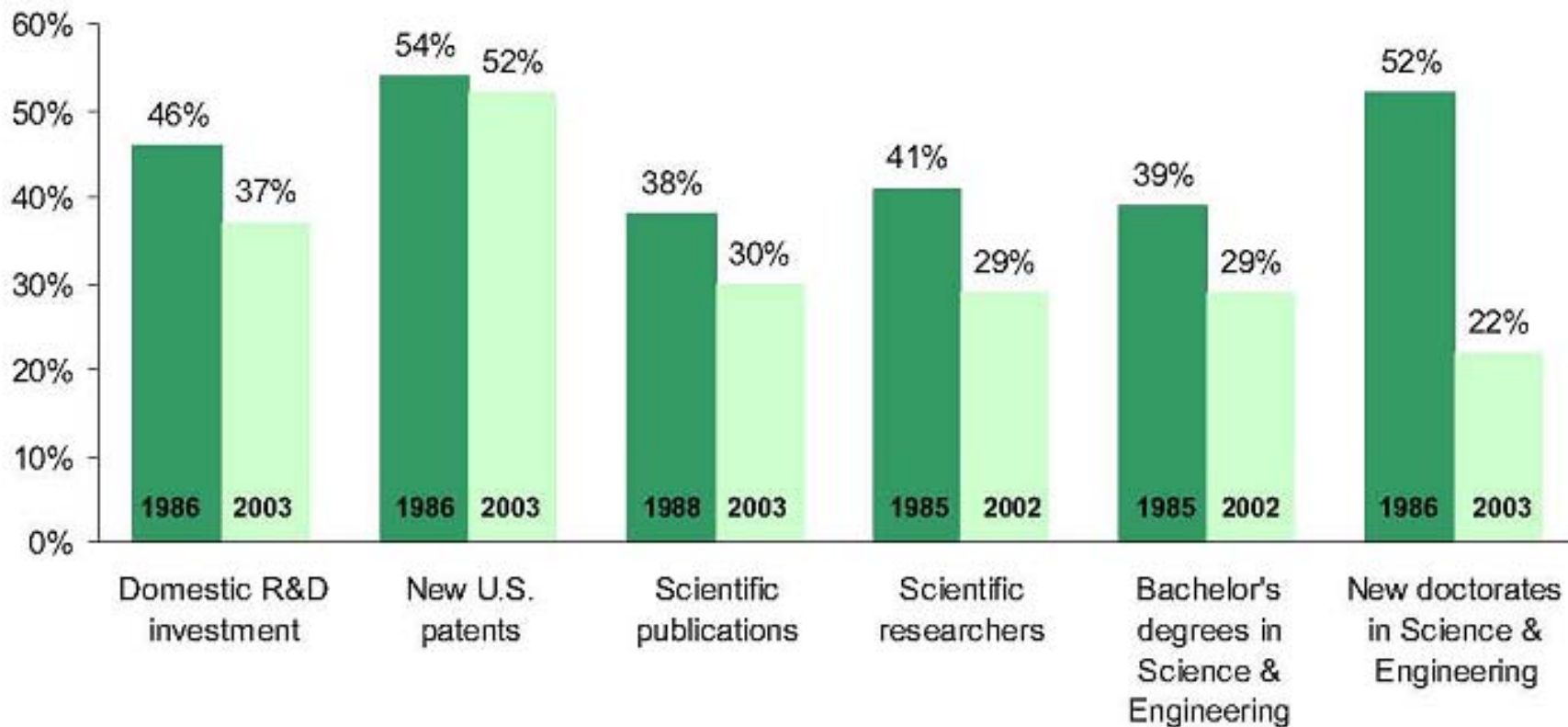
Motorola's Wired Broadband to the Home Gigabit Passive Optical Networking



Troubling Trends



United States Share of Worldwide Innovation Indicators

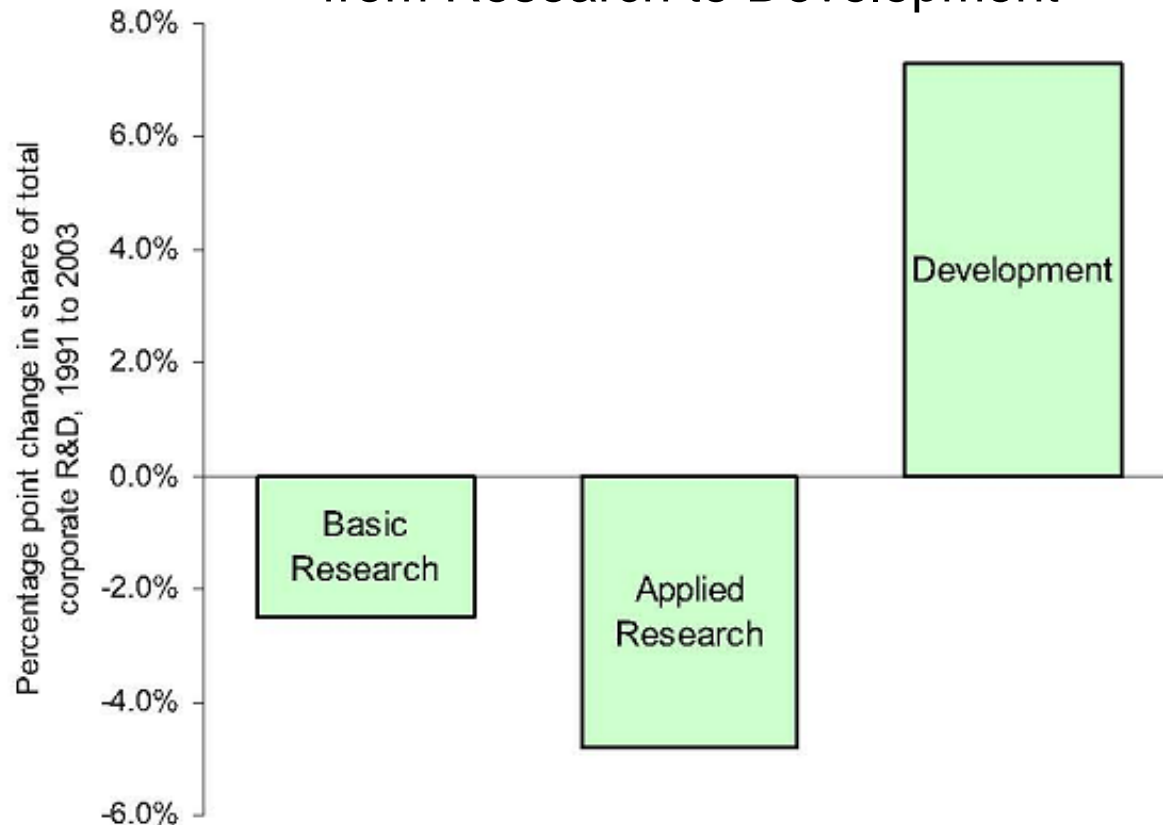


Source: R. Atkinson and H. Wial, Boosting Productivity, Innovation and Growth Through a National Innovation Foundation, The Brookings Institution, 2008.

Investment in Fundamental & Applied Research Is Critical



Corporate R&D Allocation Shifting from Research to Development



Source: R. Atkinson and H. Wial, Boosting Productivity, Innovation and Growth Through a National Innovation Foundation, The Brookings Institution, 2008.